AMENDMENTS TO THE CLAIMS

The listing of Claims will replace all prior version, and listing, of Claims in the application:

1-15 (Cancelled)

16. (Currently amended) ~~The method of Claim 3 further comprising~~ A method for providing integrated genomic services comprising:

receiving a first request from a customer, wherein said request comprises a first nucleic acid sequence and an order for at least one genomics product, wherein said request comprises a website customer interface that comprises a field for a customer identification number, a field for said first nucleic acid sequence and a field for said at least one genomics product;

utilizing said nucleic acid sequence to provide said at least one genomics product;

storing a first genomic product report for said at least one genomics product in a customer report database, wherein said first genomic product report contains searchable genomic product data;

receiving a second request from said customer, wherein said second request comprises a second order for at least one genomics product and a second nucleic acid sequence;

comparing said second order and/or said second nucleic acid sequence against said genomics product report to determine if said second request or nucleic acid sequence is redundant; and

querying said customer to proceed with said second request if said second request or nucleic acid sequence is redundant.

17. (Currently amended) ~~The method of Claim 1 further comprising~~ A method for providing integrated genomic services comprising:

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receiving a first request from a customer, wherein said request comprises a first nucleic acid sequence and an order for at least one genomics product, wherein said request comprises a website customer interface that comprises a field for a customer identification number, a field for said first nucleic acid sequence and a field for said at least one genomics product;

5 utilizing said nucleic acid sequence to provide said at least one genomics product; and

verifying that the customer is in good standing.

18. (Cancelled)

19. (Cancelled)

20. (Previously presented) A method for providing integrated genomic services

10 comprising:

receiving a first request from a customer, wherein said request comprises a first nucleic acid sequence and an order for at least two different genomics products, wherein said request is made using a website customer interface that comprises a field for a customer identification number, a field for a nucleic acid sequence and a field for said at least two different genomics

15 products, wherein data comprising said request is sent or viewed over a public network using encrypted connections or over a private or semi-private secured transmission line;

confirming that said customer is in good standing; and

utilizing said nucleic acid sequence in a recombinase mediated process to provide said at two different genomics products.

20 21. (New) The method according to Claim 16 wherein said at least one genomics product is selected from the group consisting of a nucleic acid clone, a genotypically modified cell, and a transgenic genotypically modified animal.

22. (New) The method according to Claim 21, wherein said nucleic acid clone comprises a plurality of clones representing at least a subset of a gene family

25 23. (New) The method according to Claim 16, wherein said at least one genomics product is made by a recombinase mediated process.

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24. (New) The method of Claim 16 wherein data is sent or viewed over a public network using encrypted connections or over a private or semi-private secured transmission line.

25. (New) The method of Claim 16 further comprising verifying that the customer is in good standing.

26. (New) The method according to Claim 17 further comprising:

storing a first genomic product report for said at least one genomics product in a customer report database, wherein said first genomic product report contains searchable genomic product data.

27. (New) The method according to Claim 17 further comprising:

receiving a second request from said customer, wherein said second request comprises a second order for at least one genomics product and a second nucleic acid sequence; and

comparing said second order and/or said second nucleic acid sequence against said genomics product report to determine if said second request or nucleic acid sequence is redundant.

28. (New) The method according to Claim 17 wherein said at least one genomics product is selected from the group consisting of a nucleic acid clone, a genotypically modified cell, and a transgenic genotypically modified animal.

29. (New) The method according to Claim 28, wherein said nucleic acid clone comprises a plurality of clones representing at least a subset of a gene family.

30. (New) The method according to Claim 17, wherein said at least one genomics product is made by a recombinase mediated process.

31. (New) The method of Claim 17 further comprising querying said customer to proceed with said second request if said second request or nucleic acid sequence is redundant.

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